



Theoretical Statistics and Mathematics Unit, Kolkata
INDIAN STATISTICAL INSTITUTE

SEMINAR

Date: June 24, 2025
Time: 02:00 PM

VENUE:

L- Infinity

(5th Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

A sketch of compositionality via structured cospans

SPEAKER:

Aditya Chaudhuri

Stat-Math Unit, ISI Kolkata

ABSTRACT:

Over the past decade, Applied Category Theory (ACT) has emerged as a category theory based discipline for studying large-scale real world systems by composing the studies of its subsystems. In my talk, I will focus on the framework of 'structured cospans' (developed by Baez and Courser) in around 2020, and will talk about some of its applications, especially related to some aspects of my current work which involve 'interpreting' systems of biochemical networks as horizontal 1-morphisms in symmetric monoidal double categories.

ALL ARE CORDIALLY INVITED